

**PROJECT:** Midnite Mine Remediation**REPORT NO:** 2021-01**OWNER:** Newmont/Dawn Mining**OPERATOR:** Newmont/Dawn Mining**SUMMARY OF WORK ACTIVITIES OR EVENTS FOR THIS REPORTING PERIOD:**

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period March 29 – April 1, 2021. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: (b) (6)

**SITE HEALTH, SAFETY, AND SECURITY**

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period March 29 – April 1, 2021			
FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments: No incidents occurred during the reporting period.			

**COMMUNITY LIAISON**

- Newmont provided notification to Mr. Sherwood to circulate into the community about contractors using the Blue Creek Road to access the area of the alternate pipeline for investigative work in April. Both the road along Blue Creek and the road to access the Blue Creek Campground will be affected.
- Job positions available at Midnite for the 2021 construction season have been filled.
- The community asked about vehicle identification tags or numbers associated with support vehicles to the Midnite project. Newmont is looking into a revised approach to what was originally in place to help assure that vehicles used to support the Midnite Mine have an easily identify numbering system while on the Spokane Indian Reservation. Once revised Newmont will offer the new details for community notification. The last notification was an article in the rawhide press dated June 2016.
- The second scheduled dose of the Moderna Covid-19 vaccination available to non-tribal workers who chose to accept it at Midnite took place on 25 MAR

**PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS****Weekly Progress Meeting:**

As this is the first weekly report of the 2021 construction season, no meeting was held last week.

### Meeting Action Items:

- None.

### EPA Plan/Document Approvals:

- There were no plan/document approvals during the report period. Plans/documents approved for the 2021 construction season approved prior to the reporting period are documented in the monthly reports. EPA responses to RFI/ECN etc, are documented in the Submittal section below.

### Regulatory Site Visit(s):

- Mark Fillius, USACE, was on Site on 29 MAR – 1 APR.

## REMEDIAL WORK ACTIVITIES

### Construction:

During the week of March 29 – April 1, 2021, the following activities were conducted:

- Newmont began excavating, hauling and placing low activity/low reactivity material from the west side of the South Waste Rock Pile (SWRP) and high activity/high reactivity material from Ore and Protore Stockpile 4 to Pit 4. Material from the SWRP was placed along the outside perimeter of the Pit 4 Waste Containment Area (WCA) with Stockpile 4 material placed in the middle of the WCA in accordance with the design and specifications. Estimated quantities, based on load counts, are presented in Table 1.
- SLV Earthmovers screened material from the Hillside Waste Rock Pile (HSWRP) to produce Drain Gravel and Geomembrane Bedding Material. Material was processed by screening due to road restrictions delaying the mobilization of the jaw crusher. Collection of Quality Control samples began. Produced materials were hauled to stockpile locations designated in the 2021 Crushing and Stockpiling Work Plan (Stantec 2021). Estimated quantities of materials produced are presented in Table 1.

**Table 1 – 2021 Production Estimates**

Material	Reporting Period			Year-to-date		
	Truck Loads	Estimated Volume <sup>1</sup> (yd <sup>3</sup> )	% of Planned	Truck Loads	Estimated Volume <sup>1</sup> (yd <sup>3</sup> )	% of Planned
<b>Haulage to Pit 4</b>						
SWRP	1,257	35,196	196%	1,257	35,196	196%
Stockpile 4	431	12,068	--%	431	12,068	--%
HSWRP	68	1,904	200%	68	1,904	200%
Pit 4 Overburden	0	0	0%	0	0	0%
Total	1,688	49,168	114%	1,688	49,168	114%
<b>Aggregate Production</b>						
Drain Gravel	65	1,820	21%	65	1,820	21%
Liner Bedding	0	0	0%	0	0	0%
Geomembrane Bedding	55	1,540	18%	55	1,540	18%
Total	1,808	3,360	18%	1,808	3,360	18%

1 - Truck load assumed to be 28 yd<sup>3</sup>

- Leak Location Services Inc (LLSI) performed electronic leak location surveys of the primary liner in the east and west cells of the South Pond. Six potential leak locations were identified in the east cell and three locations were identified in the west cell. Newmont began transferring water from the South Pond to Pit 3 at the completion of the survey.
- Newmont removed timber from the New Topsoil Pile area located south of the South Construction Support Zone (CSZ). Timber was placed around the perimeter of the stockpile area as a Brush Sediment Barrier.
- Newmont began removing timber from the South CSZ and hauling the timber to the stockpile in Pit 4.
- Stantec performed Method 22 visual dust monitoring at the screening operation on the HSWRP on 31 MAR. No dust was observed, so EPA Method 9 visible emissions observations were not performed.
- Stantec performed South Pond Embankment Stability inspection on 2 APR. The embankment remains stable and movement monitoring points remain within tolerance.
- ISS, electrical contractor, repaired electrical wires to the Pit 4 Horizontal Dewatering System (HDS) pumps. The electrical lines were damaged during maintenance of a stormwater ditch along the toe of Pit 4.
- A Preconstruction Coordination Meeting was conducted on 31 MAR for the Blue Creek Pipeline Alternate Alignment Feasibility Study drilling program. The meeting was attended by representatives from Newmont, STOI, Budinger and Associates (the drilling contractor), and WME.

#### **Stormwater Pollution Prevention Plan (SWPPP)**

- Stantec performed weekly SWPPP inspection on 1 and 2 APR. No new BMPs or maintenance activities identified.

#### **Spill Prevention, Control, and Countermeasure Activities (SPCC)**

- None.

#### **Equipment Mobilized/Demobilized and Material Delivered**

The following equipment was mobilized to the Site during this reporting period.

- None.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

#### **Materials:**

The following material was delivered to the Site during this reporting period.

- None.

## **CONSTRUCTION QUALITY ASSURANCE**

#### **Dust Control and Monitoring**

Bison Engineering (Bison) installed and calibrated six dust monitors at the Midnite Mine site on 23 and 24 MAR. Monitors were placed at the three fixed locations along the north, east and west site boundaries. Roving monitors were placed in the three main areas of the site scheduled for excavation/hauling and crushing/screening activities.

All six dust monitors operated on site at the locations and for the time intervals listed in Table 1 below. There was no exceedance of the TSP action level during this time-period.

Bison relocated the meteorological station from its winter location adjacent to trailer village to its on-site location east of the HSWRP above the High Road (next to Sampler ES-6).

**Table 2 - TSP Dust Monitoring Locations during reporting period March 29 – April 1, 2021**

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	03/23/21	N/A			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	03/23/21	N/A			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	03/23/21	N/A			D/N	D/N	D/N	D/N
ES-4 (roving)	Spare								
ES-5 (roving)	Northeast of the Mid-SWRP	03/24/21	N/A			D/N	D/N	D/N	D/N
ES-6 (roving)	East of HSWRP above High Road	03/23/21	N/A			D/N	D/N	D/N	D/N
ES-7 (roving)	Northeast of HSWRP at Pit 4	03/23/21	N/A			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation O=Off - Special Circumstances * Equipment malfunction (Battery/Power Supply or Other)									

### Project Documentation

Project CQA-CQC Field Acceptance Forms, Engineering Change Notices (ECNs), Design Clarification Notices (DCNs), Non-Compliance Notifications (NCNs), Requests for Information (RFIs), Submittals, and Other Items received during this time-period are shown in the table below:

### CQA Documentation

CQC-CQA Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Project DCNs			
DCN No.	Title	Submittal Date	EPA Response Date
None			
Project ECNs			
ECN No.	Title	Submittal Date	EPA Response Date
2021-01	Monitoring and Control of Phreatic Levels in the South Pond Embankment	3/19/2021	TBD
Notice of Non-Compliance			
NNC No. and Dates	Title/Description	CQA	CQA/EPA Response Date(s)
NNC 2020-01 11/5/2020	South Pond Emergency Spillway Grout	Close-out TBD	NNC 2020-01 Close-out <b>Pending April 2021 Construction of Supplemental GCS at GCS-04</b>
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)
None			
Submittals			
Submittal No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)

01018-42	2020 End of Year Survey Data	2/2/2021	CQA Acceptance 2/11/2021 <b>EPA: TBD</b>
02272-14	South Pond Geomembrane – 2020 Liner Repairs	2/15/2021	CQA Acceptance with Notes 2/19/2021 <b>EPA Disapproved on 3/30/2021</b>
<b>Other Items</b>			
<b>Item</b>	<b>Title</b>	<b>Comments</b>	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2020 CQA Folder.

### Site Inspections

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

### Preparatory Inspections / Meetings

None during this time-period.

### Initial Phase Inspections

None during this time-period.

### Follow-up Phase and Ongoing Inspections

- Ongoing South Pond Liner Leak Investigations – LLSI Deep Water Survey for the South Pond (East and West Cells) on 3/30 and 3/31/2021
- Observations with regard to placement of excavated low activity/low reactivity (mid-SWRP) and unclassified mine waste (SP-4) into Pit 4.
- Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report. There were no outstanding issues identified by CQA during this reporting period.

### Completion Inspections

None

## THREE WEEK LOOKAHEAD SCHEDULE

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:
<u>Andrew Liffing P.E.</u> <u>Project Construction Director</u>
Attachments <ul style="list-style-type: none"> <li>• Attachment A – Midnite Mine 3 Week Lookahead Schedule</li> </ul>
Photos of pertinent items are provided below.





Photo 1 – Material from the SWRP being placed along the west edge of Pit 4.



Photo 2 – Removal of trees from the New Topsoil Stockpile. Stake with orange top in the foreground is the design toe of the stockpile.



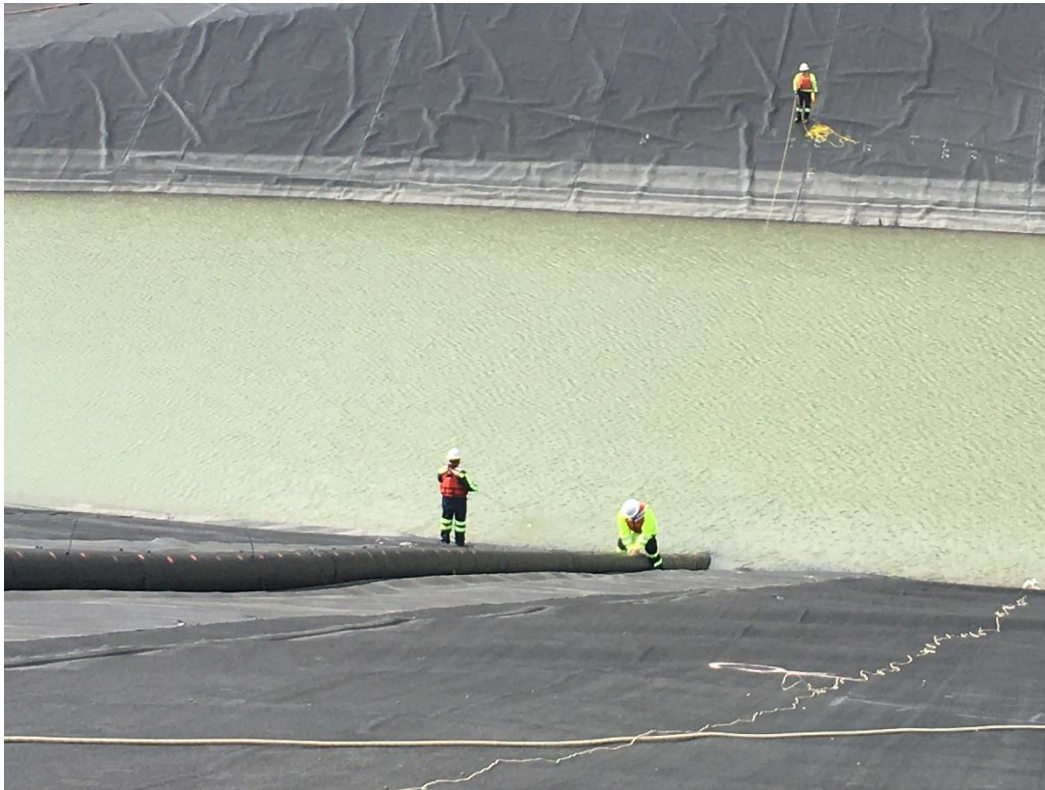


Photo 3 – LLSI with support from Newmont locating leaks in the primary liner of the east cell of the South Pond.



Photo 4 – Caterpillar 390 excavator loading haul trucks at the middle area of the SWRP.



Photo 5 – Caterpillar 390 excavator loading material from Ore and Protore Stockpile 4 for haulage to Pit 4.



**ATTACHMENT A**

**MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE**

Midnite Mine RAWP - Three Week Lookahead

Data Date: 02-Apr-21  
Print Date: 02-Apr-21

ActivityID	ActivityName	RD	% Complete	Start	Finish	Mar 20							Apr 04							Apr 11							Apr 18						
						Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr
17. Excavation and placement of materials into Pit #4		149d		29-Mar-21 A	01-Apr-22																												
17-1130	Excavate and Haul Pit 4 Overburden Upper section	43d	0%	13-Apr-21	11-Jun-21																												
17-1240	Excavate and Haul SWRP (Middle Zone Mining -All Phase A) Pit#4	149d	7%	29-Mar-21 A	01-Apr-22																												
20. Haul and place Cover material over the Pit#4 WCA		285d		19-Mar-21 A	17-May-22																												
20-1040	Mobilize Crushing and Screening Contractor	31d	20%	19-Mar-21 A	14-May-21																												
20-1060	Produce Geomembrane Bedding for Pit#4	170d	0%	29-Mar-21 A	17-May-22																												
26. Construct the new WTP and Pipeline for discharge		10d		01-Apr-21 A	15-Apr-21																												
26-1220	Remove Timber in CSZ Area and place in the Timber Stockpile area east of Pit #4	10d	20%	01-Apr-21 A	15-Apr-21																												
27. Produce drainrock and other materials necessary for the sub-waste liner sy		285d		29-Mar-21 A	17-May-22																												
27-1000	Produce Drain Gravel for Pit3	170d	1%	29-Mar-21 A	17-May-22																												
27-1030	Haul Drain Gravel, Stockpile (301, 410k cy)	170d	1%	29-Mar-21 A	17-May-22																												
27-1045	Move Waste Stockpiles 3 & 4 (to make room for Drain Gravel)	14d	1%	31-Mar-21 A	21-Apr-21																												

Current Milestone  
 Actual Work  
 Remaining Work  
 Critical Remaining Work  
 Remaining Level of Effort  
 Actual Level of Effort  
 Summary